

10/566485

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(FILE 'HOME' ENTERED AT 08:23:52 ON 27 NOV 2007)

FILE 'CAPLUS' ENTERED AT 08:24:07 ON 27 NOV 2007
E US2006-566485/APPS

L1 1 S E3

FILE 'REGISTRY' ENTERED AT 08:25:13 ON 27 NOV 2007

L2 FILE 'CAPLUS' ENTERED AT 08:25:26 ON 27 NOV 2007
TRA L1 1- RN : 3 TERMS

L3 FILE 'REGISTRY' ENTERED AT 08:25:26 ON 27 NOV 2007
3 SEA L2
E 253-82-7/RN

L4 1 S E3

L5 FILE 'REGISTRY' ENTERED AT 08:30:01 ON 27 NOV 2007
STR 182878-97-3
L6 1 S L5 EXA FUL

L7 FILE 'CAPLUS' ENTERED AT 08:30:30 ON 27 NOV 2007
3 S L6
L8 1 S L7 AND EMOLLIENT
L9 0 S L7 AND PETROLATUM

11/27/2007

10/566485

=> d ibib

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:161002 CAPLUS
DOCUMENT NUMBER: 142:246185
TITLE: Pharmaceutical compositions containing quinazoline derivatives
INVENTOR(S): Kriwet, Katrin
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005016322	A2	20050224	WO 2004-EP9273	20040818
WO 2005016322	A3	20051103		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004264680	A1	20050224	AU 2004-264680	20040818
CA 2534492	A1	20050224	CA 2004-2534492	20040818
AT 355084	T	20060315	AT 2004-764259	20040818
EP 1675621	A2	20060705	EP 2004-764259	20040818
EP 1675621	B1	20070228		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1835770	A	20060920	CN 2004-80023530	20040818
BR 2004013545	A	20061017	BR 2004-13545	20040818
JP 2007502799	T	20070215	JP 2006-523603	20040818
ES 2280045	T3	20070901	ES 2004-4764259	20040818
US 2006205746	A1	20060914	US 2006-566485	20060130 <--
IN 2006CN00576	A	20070706	IN 2006-CN576	20060216
MX 2006PA01886	A	20060517	MX 2006-PA1886	20060217
PRIORITY APPLN. INFO.:			GB 2003-19497	A 20030819
			WO 2004-EP9273	W 20040818
OTHER SOURCE(S):		MARPAT 142:246185		

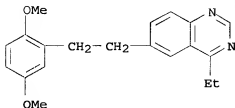
11/27/2007

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=> d 13 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):Y

L3 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN
RN 182878-97-3 REGISTRY
ED Entered STN: 07 Nov 1996
CN Quinazoline, 6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethyl- (CA INDEX NAME)
OTHER NAMES:
CN 6-[2-(2,5-Dimethoxyphenyl)ethyl]-4-ethylquinazoline
MF C20 H22 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, IMSDRUGNEWS, IMSRESEARCH, PROUDDR,
SYNTHLINE, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

11/27/2007

=> d 17 ibib abs hitstr

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:161002 CAPLUS

DOCUMENT NUMBER: 142:246185

TITLE: Pharmaceutical compositions containing quinazoline derivatives

INVENTOR(S): Kriwet, Katrin

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 15 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005016322	A2	20050224	WO 2004-EP9273	20040818
WO 2005016322	A3	20051103		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004264680	A1	20050224	AU 2004-264680	20040818
CA 2534492	A1	20050224	CA 2004-2534492	20040818
AT 355084	T	20060315	AT 2004-764259	20040818
EP 1675621	A2	20060705	EP 2004-764259	20040818
EP 1675621	B1	20070228		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1835770	A	20060920	CN 2004-80023530	20040818
BR 2004013545	A	20061017	BR 2004-13545	20040818
JP 2007502799	T	20070215	JP 2006-523603	20040818
ES 2280045	T3	20070901	ES 2004-4764259	20040818
US 2006205746	A1	20060914	US 2006-566485	20060130
IN 2006CN00576	A	20070706	IN 2006-CN576	20060216
MX 2006PA01886	A	20060517	MX 2006-PA1886	20060217
PRIORITY APPLN. INFO.:				
			GB 2003-19497	A 20030819
			WO 2004-EP9273	W 20040818

OTHER SOURCE(S): MARPAT 142:246185

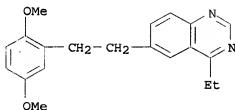
AB Topical pharmaceutical compns., e.g., an emulsion, comprises a quinazoline derivative (a lavendustin analog), and an emollient, and optionally further excipients. Thus, a formulation contained 1% and iso-Pr myristate 10% in addition to other standard excipients.

IT 182878-97-3

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compns. containing quinazoline derivs.)

RN 182878-97-3 CAPLUS

CN Quinazoline, 6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethyl- (CA INDEX NAME)



=> d 17 ibib abs hitstr 2-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:662875 CAPLUS

DOCUMENT NUMBER: 139:293651

TITLE: A Practical Synthesis of 6-[2-(2,5-Dimethoxyphenyl)ethyl]-4-ethylquinazoline and the Art of Removing Palladium from the Products of Pd-Catalyzed Reactions

AUTHOR(S): Koenigsberger, Kurt; Chen, Guang-Pei; Wu, Raeann R.; Girgis, Michael J.; Prasad, Kapa; Repic, Oljan; Blacklock, Thomas J.

CORPORATE SOURCE: Process Research and Development, Novartis Institute for Biomedical Research, East Hanover, NJ, 07936, USA
SOURCE: Organic Process Research & Development (2003), 7(5), 733-742

CODEN: OPRDFK; ISSN: 1083-6160

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:293651

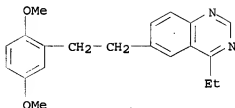
AB A concise large-scale synthesis of 1, a new antimitotic agent is described. The key step was a one-pot Sonogashira cross-coupling of an aryl halide with a heteroaryl halide through an acetylene using the readily available 2-methyl-3-butyn-2-ol (7). An innovative approach for palladium removal was designed and successfully scaled-up on a multikilogram scale. The product was crystallized from the crude reaction mixture while keeping the residual palladium in the mother liquor by using Pd-scavenging agents such as N-acetylcysteine or thiourea.

IT 182878-97-3P, 6-[2-(2,5-Dimethoxyphenyl)ethyl]-4-ethylquinazoline
RL: IMF (Industrial manufacture); PUR (Purification or recovery); PREP (Preparation)

(scale-up of and Pd catalyst removal in the synthesis of 6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethylquinazoline)

RN 182878-97-3 CAPLUS

CN Quinazoline, 6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethyl- (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 1996:661128 CAPLUS

DOCUMENT NUMBER: 125:301017

TITLE: Preparation of trisubstituted phenyl and quinazoline derivatives for the treatment of inflammatory and proliferative skin diseases and cancer

INVENTOR(S): Nussbaumer, Peter

PATENT ASSIGNEE(S): Sandoz Ltd., Switz.; Sandoz-Patent-Gmbh; Sandoz-Erfindungen Verwaltungsgesellschaft MbH

SOURCE: PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9628430	A1	19960919	WO 1996-EP1116	19960314
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
CA 2214131	A1	19960919	CA 1996-2214131	19960314
AU 9651443	A	19961002	AU 1996-51443	19960314
AU 704544	B2	19990429		
BR 9607240	A	19971111	BR 1996-7240	19960314
EP 815087	A1	19980107	EP 1996-908043	19960314
EP 815087	B1	20011114		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI				
CN 1183774	A	19980603	CN 1996-193716	19960314
CN 1101386	B	20030212		
JP 11503412	T	19990326	JP 1996-527290	19960314
JP 3194963	B2	20010806		
HU 9801828	A2	19990329	HU 1998-1828	19960314
RU 2164224	C2	20010320	RU 1997-117169	19960314
SK 282155	B6	20011106	SK 1997-1245	19960314
AT 208763	T	20011115	AT 1996-908043	19960314
CZ 289944	B6	20020417	CZ 1997-2869	19960314
PT 815087	T	20020429	PT 1996-908043	19960314
ES 2168463	T3	20020616	ES 1996-908043	19960314
PL 185875	B1	20030829	PL 1996-322134	19960314
FI 9703440	A	19971024	FI 1997-3440	19970821
NO 9704118	A	19970908	NO 1997-4118	19970908

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NO 310356	B1	20010625		
US 5990116	A	19991123	US 1997-913597	19970915
HK 1014440	A1	20030627	HK 1998-112775	19981203
PRIORITY APPLN. INFO.:			GB 1995-5080	A 19950314
			GB 1995-5858	A 19950323
			GB 1995-26593	A 19951228
			WO 1996-EP1116	W 19960314

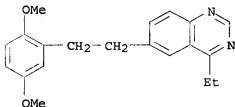
OTHER SOURCE(S): MARPAT 125:301017
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention concerns compds. I wherein: R1 and R2 are the same or different and represent OH, alkoxy, acyloxy, alkyl, or acyl, whereby R2 is in the 5- or 6-position, with the proviso that R1 and R2 are not simultaneously OH or acyloxy, and (a) W represents CH2CH2, R3 = C(:X)R6 wherein R6 = H, alkyl, alkoxy, or amino and X = O, hydroxyimino, or alkoxyimino, R4 = NR7R8 wherein R7 and R8 are the same or different and represent H, alkyl, acyl, alkoxycarbonyl, or (b) W = CH2CH2, CH:CH, CH2O, or CH2NR5, whereby the heteroatom adheres to ring B and R5 = H, alkyl, or acyl, R3 and R4 form together with ring B a condensed ring system II or III wherein the single/dotted line symbol represents a single or double bond, R9 = e.g., H, alkylthio, alkyl; Y = N or CR11, R10 = e.g., H, alkyl, acyl; R11 = H, alkoxycarbonyl, cyano, acyl; Z = O or S; and V = NH if the single/dotted line represents a single bond, and N if the single/dotted line represents a double bond (with provisos), and their use in the prevention or treatment of inflammatory and proliferative skin diseases and cancer. Thus, e.g., hydrogenation of 6-[2-(2,5-dimethoxyphenyl)ethynyl]-4-ethylquinazoline afforded 6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethylquinazoline (IV); IV and the corresponding 4-MeO and 4-Me compds. exhibited IC50 of about 10 nM for the inhibition of proliferation in the human keratinocyte cell line HaCaT, and between 10 and 200 nM for inhibition of tumor cell proliferation.

IT 182878-97-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of trisubstituted Ph and quinazoline derivs. for the treatment of inflammatory and proliferative skin diseases and cancer)

RN 182878-97-3 CAPLUS
CN Quinazoline, 6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethyl- (CA INDEX NAME)



11/27/2007

WEST Search History

DATE: Tuesday, November 27, 2007

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		((psoriasis and emollient and psoriasis.ti,ab,clm. and emollient.ti,ab,clm.) and	
<input type="checkbox"/>	L5	(@pd<20030819 or @ad<20030819 or @rlad<20030819 or @prad<20030819))	111
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<input type="checkbox"/>	L3	(psoriasis and emollient)	2377
		<i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	(5990116.pn.)	1
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	("6-[2-(2,5-Dimethoxyphenyl)ethyl]-4-ethylquinazoline" or "6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethyl-quinazoline" or (182878-97-3))	0

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<u>#6</u>	Search 6-[2-(2,5-dimethoxyphenyl)ethyl]-4-ethyl-Quinazoline	08:52:39	<u>1</u>
<u>#2</u>	Search 6-[2-(2,5-Dimethoxyphenyl)ethyl]-4-ethylquinazoline	08:48:09	<u>0</u>
<u>#1</u>	Search lavendustin	08:21:13	<u>10</u>

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